



University
of Basel

Department of
Biomedical Engineering



Seminar Series:

Latest Breakthroughs in Biomedical Engineering Research

Location: DBE Science Lounge, Hegenheimermattweg 167C, 4123 Allschwil

Date & Time: Thursday 01.10.2026 | 16:30 – 17:30

Host: Dr. Arsham Hamidi

Noise correlation inspired elastography for in vivo stiffness mapping using optical coherent imaging systems

Dr. Amir Nahas

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Abstract

In this presentation, we will introduce the Noise Correlation-inspired Elastography (NCi) method and its recent developments for real-time, in vivo measurement of the mechanical properties of biological tissues. In particular, we will present results of real-time in vivo elastography using an unmodified commercial endoscope.

Biosketch

Amir Nahas is an Associate Professor at the University of Strasbourg. His research focuses on biomedical optics, with a particular interest on the development of new imaging contrasts for in vivo coherent imaging and full-field OCT.